



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20545

SEP 20 1990

Viking Systems International
Attention: Mr. Jack Saluja, President
2070 William Pitt Way
Pittsburgh, Pennsylvania 15238

Dear Mr. Saluja:

Subject: Task Order 11, "MOV Evaluations," under Contract NRC-03-87-028

This letter definitizes Task Order 11 in accordance with the task order procedures of the contract. This effort shall be performed in accordance with the enclosed Statement of Work and Viking Systems International's September 10, 1990 proposal, incorporated herein by this reference.

The total cost ceiling of Task Order 11 is \$28,176.88. The amount of \$25,803.00 represents the total estimated reimbursable costs and the amount of \$2,373.88 represents the fixed fee.

Accounting data for Task Order 11 is as follows:

B&R No.:	0201915020
FIN No.:	D17620
APPN No.:	31X0200.200
AMOUNT OBLIG:	\$28,176.88

The period of performance of Task Order 11 shall be from October 1, 1990 through December 31, 1990.

The issuance of this task order does not amend any terms or conditions of the subject contract.

Your contacts during the course of this task order are:

Technical Matters:	Brian Thomas Project Officer (301) 492-1213
Contractual Matters:	Sharlene McCubbin Division of Contracts (301) 492-7764

Your acceptance of this task order should be indicated by having an official authorized to bind your organization execute three copies of this document in the space provided below and returning two copies to the Contract Administrator. The third copy should be retained for your records.

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PDR CONT
NRC-03-87-028 PNU

2

Since we are rapidly approaching September 30, our fiscal year ending date, you should expedite the execution and return of this document. Unless the signed documents are returned to me prior to that date, I cannot assure you of the continued availability of these funds.

Should you have any questions regarding this matter, please contact Sharlene McCubbin on (301) 492-7764.

Sincerely,

Sharon Bee

For

Timothy F. Hagan, Contracting Officer
Contract Administration Branch No. 1
Division of Contracts and
Property Management
Office of Administration

Enclosure:
Statement of Work

cc: Armand Lakner

ACCEPTED: Task Order 11

Jack Saluja
Name
President
Title
9/20/90
Date

09/20/1990 13146

FROM Viking Systems Intl.

TO 9301 24994

P.04/87

Enclosure

Contract NRC-03-87-028
VIKING SYSTEMS INTERNATIONAL

Task Order 11

STATEMENT OF WORK
REVISED

TITLE: MOV EVALUATION, REVISED

FIN: D-1702

Priority: 2

B&R NUMBER: 020-19-15-02-0

TAC No.: 40093, M75684, M75640

NRC PROJECT MANAGER:

Brian E. Thomas, NRR/TAMS (301 492-1210)

NRC LEAD ENGINEER:

Thomas Scarbrough, DET/EMEB (301 492-0794)

BACKGROUND

Numerous problems have occurred with the operation of motor-operated valves (MOVs) in nuclear power plants. The NRC issued Generic Letter 89-10, "Safety-Related Motor-Operated Valve Testing and Surveillance," to resolve some of the problems surrounding license and construction permits and to establish programs for testing, inspecting, and maintaining MOVs in safety-related systems. These programs were designed to provide assurance that the motor-operated valves will operate under design-basis conditions. NRR and regional personnel will be performing inspections to evaluate the implementation of licensee commitments in response to the generic letter. Such licensee commitments should be documented in their reports to the NRC.

OBJECTIVE

The objective of this task order is to obtain technical assistance in the field of mechanical engineering with expertise in motor-operated valves for the Mechanical Engineering Branch (EMEB) of the Office of Nuclear Reactor Regulation (NRR). The contractor shall review licensee reports on MOV problems and evaluate MOV-related generic issues.

WORK REQUIREMENTS

The contractor shall provide the necessary qualified personnel, facilities, materials, and services to perform the following task.

- 2 -

Task

The contractor shall provide an expert to review and evaluate MOV programs or problems at three specific nuclear plants. These plants are the Fitzpatrick Nuclear Power Plant, Millstone 3, and Byron 1. The background information and criteria to be used in the evaluation will be made available to the contractor by the Lead Engineer. MOV programs shall be reviewed using the attached draft temporary instruction. MOV problems will be evaluated in accordance with the requirements of 10 CFR Part 21, Reporting of Defects And Noncompliance. This support shall involve, at most, a one week effort for each plant including about a one week effort at Millstone 3, Byron 1, and the licensee's office. The requirement to travel to these specific locations may change based on the investigation of the MOV programs or specific MOV problems. Therefore, travel shall be coordinated in advance with the NRC Lead Engineer and is subject to the approval of the Project Manager.

The contractor shall provide individual(s) with the requisite expertise in valves to assist the NRC with inspections of MOV programs or specific MOV problems at Millstone 3 and Byron 1. The individual(s) shall be available to respond on short notice (3 days or less) during non-normal business hours, depending on the results of the contractors evaluations. The NRC Project Manager will provide verbal notification to the contractor of the dates for these inspections and will confirm such notification in writing within 10 working days. It is anticipated that one inspection will be conducted at each plant. The contractor shall be available to respond to follow-up questions and concerns on the results of the experts evaluations.

To fully satisfy the task order objectives, the contractor shall support the NRC staff following delivery of the final deliverables specified under Section D, "Reporting Requirements", below. This support shall consist of, for example, answering staff questions on the final deliverables and attending meetings with NRC management and others to discuss the results of the work specified in this statement of work. The contractor shall be available to provide such support throughout the task order period of performance. The support required above shall be coordinated through the NRC Project Manager.

REPORTING REQUIREMENTSTechnical Reports

Upon completion of its review of MOV programs or evaluation of the specific MOV issues, the contractor shall prepare, in letter report form, a draft and a final Technical Evaluation Report (TER) on its findings and conclusions. Submittal of the draft and final TER for each plant is as follows:

Scheduled Completion

<u>Plant Name</u>	<u>Draft TER</u>	<u>Final TER</u>
Fitzpatrick	within 10 working days after receipt of the licensee reports	within 10 working days after receipt of NRC staff comments on the draft TER
Millstone 3	within 10 working days after inspection. (The projected date for availability of program description is mid-September, 1990)	within 10 working days after receipt of NRC staff comments on the draft TER
Byron 1	within 10 working days after inspection.	within 10 working days after receipt of NRC staff comments on the draft TER

In addition, a letter report addressing the contractors' evaluation and findings on any MOV issues generic to all three plants shall be provided accompanying the final TER of the last plant to be reviewed.

The original and three copies of the reports are to be provided to the Lead Engineer and one copy to the Project Manager.

Monthly Progress Report

A monthly progress report shall be provided by the contractor in accordance with the basic contract.

MEETINGS AND TRAVEL

For planning purposes only, the following meetings and travel are anticipated:

One 5 day trip for one representative of the contractor to the NRC offices in Rockville, Maryland or to two of the power plants is anticipated in connection

with this task order. Again, the trip destination is contingent on the nature of the MOV programs or problems investigated and will be determined by the Lead Engineer.

ESTIMATED LEVEL OF EFFORT

The estimated level of effort is approximately 130 man hours.

PERIOD OF PERFORMANCE

The period of performance shall begin on October 1, 1990 and shall continue through December 31, 1990.

NRC FURNISHED MATERIALS

Work packages will be provided by the Lead Engineer in accordance with the basic contract.